

IN THE CLAIMS

Please cancel claims 27 and 34 without prejudice or disclaimer, and amend claims 21, 28 and 30 as follows:

Claims 1-20 (Cancelled)

1 21. (Currently Amended) A system for operating wired and wireless phone
2 services interconnectively, the system comprising:

3 a private base station controller (pBSC) that is connected with a public switched
4 telephone network (PSTN) and a private base station transceiver system (pBTS), and
5 provides a mobile communication service to a mobile communication terminal; and

6 a group exchange that is connected with the PSTN, and assigns virtual wired
7 phone numbers to a plurality of mobile communication terminals existing in a mobile
8 zone as a management region of the pBTS, and provides a public wired phone service to
9 the mobile communication terminals using the virtual wired phone numbers, and provides
10 a wired phone service to a wired terminal existing outside the mobile zone;

11 wherein, when receiving a request for an outgoing service from an internal mobile
12 communication terminal, the group exchange changes a caller identification (CID) into
13 the virtual wired phone number assigned to the internal mobile communication terminal,
14 and calls a called terminal via the PSTN.

1 22. (Previously Presented) The system according to claim 21, wherein the group
2 exchange calls the mobile communication terminal corresponding to the virtual wired
3 phone number when receiving an incoming call containing the virtual wired phone
4 number.

1 23. (Previously Presented) The system according to claim 21, wherein the group
2 exchange comprises a database for storing, for each arbitrary wired phone number,
3 information indicating whether or not each of the wired phone numbers is a virtual phone
4 number and information about whether or not a multiple terminating service is registered.

1 24. (Previously Presented) The system according to claim 23, wherein the group
2 exchange simultaneously calls the wired terminal corresponding to the wired phone
3 number and the mobile communication terminal when the wired phone number registered
4 with the multiple terminating service is called.

1 25. (Previously Presented) The system according to claim 21, wherein the pBSC
2 comprises a database for storing the virtual wired phone number assigned to each of the
3 mobile communication terminals and a mobile identifier number (MIN) of the mobile
4 communication terminal corresponding to the virtual wired phone number.

1 26. (Previously Presented) The system according to claim 21, wherein the group

exchange is connected to the PSTN through No. 7 signaling.

Claims 27 (Cancelled)

28. (Currently Amended) The system according to claim 21, wherein, when receiving a request for ~~[[an]]the~~ outgoing service from ~~[[an]]the~~ internal mobile communication terminal, the pBSC checks a service type identifier defining which one of a private network service and a public network service the internal mobile communication terminal requests.

29. (Previously Presented) The system according to claim 28, wherein the pBSC relays an outgoing call to the group exchange when the internal mobile communication terminal requests the private network service, and relays the outgoing call to the PLMN when the internal mobile communication terminal requests the public network service.

30. (Currently Amended) A method for operating wired and wireless phone services interconnectively, the method comprising the steps of:

assigning, by a group exchange, virtual wired phone numbers to a plurality of mobile communication terminals existing in a mobile zone as a management region of a private base station transceiver system (pBTS);

providing, by the group exchange, a wired phone service to a wired terminal

7 existing outside the mobile zone; [[and]]

8 providing, by the group exchange, a public wired phone service to the mobile
9 communication terminals by linking the virtual wired phone numbers with mobile
10 identifier numbers (MINs) of the mobile communication terminals; and

11 when the group exchange receives a request for an outgoing service from an
12 internal mobile communication terminal, changing, by the group exchange, a caller
13 identification (CID) into the virtual wired phone number assigned to the internal mobile
14 communication terminal, and calling a called terminal via a public switched telephone
15 network (PSTN).

1 31. (Previously Presented) The method according to claim 30, wherein in the step
2 of providing the public wired phone service, when the group exchange receives an
3 incoming call containing the virtual wired phone number through a public switched
4 telephone network (PSTN), the group exchange calls the mobile communication terminal
5 corresponding to the virtual wired phone number.

1 32. (Previously Presented) The method according to claim 30, further comprising
2 the step of simultaneously calling, by the group exchange, the wired terminal
3 corresponding to the wired phone number and the mobile communication terminal when
4 the wired phone number registered with the multiple terminating service is called.

1 33. (Previously Presented) The method according to claim 32, further comprising
2 the step of rerouting, by the group exchange, an incoming call to a public switched
3 telephone network (PSTN) or a public land mobile network (PLMN) when the called
4 wired terminal and the mobile communication terminal make no response.

1 Claim 34 (Cancelled)

1 35. (Previously Presented) The method according to claim 30, further comprising
2 the step of, when a private base station controller (pBSC) receives a request for an
3 internal service from an outgoing mobile communication terminal, checking, by the
4 pBSC, a service type identifier defining which one of a private network service and a
5 public network service the internal mobile communication terminal requests.

1 36. (Previously Presented) The method according to claim 35, further comprising
2 the steps of:

3 relaying, by the pBSC, an outgoing call to the group exchange when the internal
4 mobile communication terminal requests the private network service; and

5 relaying, by the pBSC, the outgoing call to a public land mobile network (PLMN)
6 when the internal mobile communication terminal requests the public network service.